

CONFIDENTIAL

CONFIDENTIAL

50X1-HUM

Other organizations cooperating with the commission were the GOI (State Optical Institute), VEI (All-Union Electrical Engineering Institute), and VNIIM (All-Union Scientific Research Institute of Metrology).

Reports read at meetings of the commission during 1949 are listed below, by subject and author.

Theoretical Bases of Illumination Engineering

S. O. Mayzel', "Chroma and Brightness in the Light of the Physical Theory of the Visual Process"

N. T. Fedorova, "Curves of Primary Excitation of the Eye"

Ye. N. Yustova, "New Data on the Basic Color Perceptions of the Eye"

A. V. Luisov, "The Role of Quantum Fluctuations in the Visual Process"

S. O. Mayzel' and S. G. Yurov (All-Union Electrotechnical Institute imeni V. I. Lenin), "New Data on the Variation of Spectral Sensitivity of Daytime (Cone) Vision in Relation to Brightness"

Ye. B. Rabkin, "Evaluation of Congenital and Acquired Abnormalities in Color Vision"

V. G. Samsonova, "Light and Discriminatory Sensitivity of the Eye Relative to Intensity, Area, and Location of Stimulus"

P. M. Tikhodeyev, "Numerical Value of the Second Constant of Planck's Law of Spectral Illumination"

V. Ye. Kartashevskaya, "Numerical Value of the Light Equivalent of Light Flow"

Light Measurements

V. V. Sharonov, "Photometry of Terrestrial and Planetary Terrains (Optics of Terrains or Geophotometry)"

Yu. D. Yanishevskiy, "Design of Standard Apparatus (Visual and Photoelectric) for the Recording of Natural Illumination in Geophysical Observatories"

A. A. Vol'kenshteyn, "Visual Measurements in the Low-Brightness Region"

M. V. Sokolov, Z. M. Gorev, D. A. Shklover, and S. G. Yurov, "Reports on the Correction and Supplementation of the Commission's List of Light-Measuring Devices"

Light Sources

V. A. Sasorov (Electric Lamp Factory), "Development and Initial Production of Superhigh-Pressure Mercury Vapor Lamps"

D. A. Houkhberg (Electric Lamp Factory), "Inert Gas-filled Lamps of High Output"

N. A. Karyakin, "New Method for Increasing the Output of Arc Lamps"

Illuminating Devices for Industrial Use

R. O. Nilender, "Prospects for the Production of Light Sources for Industrial Enterprises"

- 2 -

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

50X1-HUM

V. A. Meshkov, "The Status of Illumination in Industrial Enterprises"

M. S. Ryabov, "Basic Prospective Problems of Illumination in Industrial Enterprises"

V. N. Krupennikov, "The Preparation of Cadres for Planning and Exploiting Illuminating Devices in Industry"

A. A. Trukhanov, "Contemporary Scientific Problems of Illumination in Industrial Enterprises"

A. V. Sivkov (architect) and D. N. Lazarev, "Lighting of Picture Galleries with Fluorescent Lamps"

N. V. Gorbachev, "Use of Luminescence in Architecture; Lighted Colors, Plastics"

Application of Light to Botany

A. V. Kleshnin, "Report on the Measurement of Light Energy for Botanical Purposes"

A. A. Nechiporovich and S. O. Mayzel', "Report on the Joint Work of the Commission on Illumination Engineering (Department of Technical Sciences, Academy of Sciences (USSR) and the Commission on Photosynthesis (Department of Biological Sciences, Academy of Sciences USSR)"

A. F. [sic] Kleshnin, "Sources of Light for the Illumination of Growing Plants"

Eulogies for Scientists Who Died in 1949

Yu. D. Yanishevskiy, "Growth of Soviet Actinometry and the Role of N. N. Kalitin"

V. V. Sharonov, "V. A. Berezkin and His Role in the Growth of the Science of Visual Range"

- E N D -

- 3 -

CONFIDENTIAL

CONFIDENTIAL